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APPENDIX B

DATA CROSSWALK FOR THE IEUBKwin MODEL

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The following table contains parameter names and associated values or equations for the Integrated Exposure Uptake and Biokinetic Model for Lead in Children (IEUBK) DOS (version 0.99d) and Windows version (IEUBKwin). Parameter names are listed alphabetically, with corresponding model components (*e.g.*, exposure). The parameters in *italics* are user inputs. These parameters are member variables (objects) of a data window in the IEUBKwin model.

Parameter names and/or values that have been changed/modified are in bold italicize letters. These parameter names and/or values have been changed/modified from the DOS version for one of two reasons: (1) in response to the findings in the Independent Verification and Validation (IV&V); or (2) due to the difference in functionality of the Windows and DOS versions of the model. For example, the array *dust_indoor[AGE]* is a collection of user inputs for the *Soil/Dust Data Window*. If the user decides to use the default values, the array stores those default values. However, if the user decides to use only zeros, the array stores zeros. Hence, the values in the *dust_indoor[AGE]* array depend on the values entered in the data window.

As part of the recoding effort, parameter names were clarified from [t] to [AGE], [MONTH] or [STEPS] as appropriate.

The values in the following table are shown with three significant figures after the decimal point. The IEUBKwin model output is reported to three significant figures after the decimal except for the blood lead concentration which is reported to one significant figure after the decimal point. In the IEUBKwin model, the true precision of a calculation is determined by the least precise input value. In addition, for some input parameters, the model will warn users if an input is entered which is not biologically plausible or relevant (*e.g.*, 3 million parts per million (ppm) or -1 ppm).

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Uptake	ABSD	ABSD	0.300	0.300
Uptake	ABSF	ABSF	0.500	0.500
Uptake	ABSO	ABSP	0.000	0.000
Uptake	ABSS	ABSS	0.300	0.300
Uptake	ABSW	ABSW	0.500	0.500
Exposure	air_absorp[AGE]	air_absorp[t]	32.000	32.000
			32.000	32.000
			32.000	32.000
			32.000	32.000
			32.000	32.000
			32.000	32.000
			32.000	32.000
Exposure	air_concentration[AGE]	air_concentration[t]	0.100	0.100
			0.100	0.100
			0.100	0.100
			0.100	0.100
			0.100	0.100
			0.100	0.100
			0.100	0.100

Data Crosswalk for the IEUBKwin Model

*When using multiple source analysis, this value is calculated from default soilBa values.

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	beverage[AGE]	beverage[t]	0.491 0.650 1.170 1.088 0.988 1.023 1.053	0.491 0.650 1.170 1.088 0.988 1.023 1.053
Biokinetic	BLOOD[STEPS]	BLOOD[t]	B-10a,c	B-10a
Probability Distribution	blood[t]	blood[t]	None	None
Exposure	bread[AGE]	bread[t]	0.090 0.286 0.240 0.300 0.360 0.408 0.503	0.090 0.286 0.240 0.300 0.360 0.408 0.503
Exposure	can_fruit[AGE]	can_fruit[t]	1.811 1.063 1.058 0.999 0.940 0.969 1.027	1.811 1.063 1.058 0.999 0.940 0.969 1.027

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	can_veg[AGE]	can_veg[t]	0.0740 0.252 0.284 0.295 0.307 0.291 0.261	0.0740 0.252 0.284 0.295 0.307 0.291 0.261
Exposure	candy[AGE]	candy[t]	0.219 0.248 0.724 0.537 0.352 0.326 0.274	0.219 0.248 0.724 0.537 0.352 0.326 0.274
Biokinetic	CONRBC	CONRBC	1200.000	1200.000
Exposure	<i>constant_dust_conc[AGE]</i>	<i>constant_dust_conc</i>	200.000 200.000 200.000 200.000 200.000 200.000	200.000 200.000 200.000 200.000 200.000 200.000

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	<i>constant_soil_conc[AGE]</i>	<i>constant_soil_conc</i>	200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
Exposure	constant_water_conc	constant_water_conc	4.000	4.000
Exposure	contrib_percent	contrib_percent	0.700	0.700
Biokinetic	CRBONEBL[MONTH]	CRBONEBL[t]	B-1h, B-4c	B-1h, B-4c
Biokinetic	CRKIDBL[MONTH]	CRKIDBL[t]	B-2h, B-4a	B-2h, B-4a
Biokinetic	CRLIVBL[MONTH]	CRLIVBL[t]	B-2e,f, B-4b	B-2e,f, B-4b
Biokinetic	CROTHBL[MONTH]	CROTHBL[t]	B-2n,o, B-4d	B-2n,o, B-4d
Exposure	<i>dairy[AGE]</i>	<i>dairy[t]</i>	0.834	0.834
			0.705	0.705
			0.769	0.769
			0.765	0.765
			0.762	0.762
			0.811	0.811
			0.910	0.910

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	DAYCARE[AGE]	DAYCARE[t]	E-9c, E-12c	E-9c, E-12c
Exposure	DaycareConc	DaycareConc	200.000	200.000
Exposure	DaycareFraction	DaycareFraction	0.000	0.000
Exposure	diet_intake[AGE]	diet_intake[t]	5.530 5.780 6.490 6.240 6.010 6.340 7.000	5.530 5.780 6.490 6.240 6.010 6.340 7.000
Exposure	DietTotal[AGE]	DietTotal[t]	E-4b	E-4b
Biokinetic	DOTHER[0]	DOTHER[0]	None	None
Exposure	dust_indoor[AGE]	user_dust[t]	200.000 200.000 200.000 200.000 200.000 200.000	0.000 0.000 0.000 0.000 0.000 0.000
Exposure	DustTotal[AGE]	DustTotal[t]	E-9b, E-10, E-12a-e	E-9c, E-10, E-12a-e

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	EXPR[0]	EXPR[0]	None	None
Exposure	f_fruit[AGE]	f_fruit[t]	0.039 0.196 0.175 0.175 0.179 0.203 0.251	0.039 0.196 0.175 0.175 0.179 0.203 0.251
Exposure	f_veg[AGE]	f_veg[t]	0.148 0.269 0.475 0.466 0.456 0.492 0.563	0.148 0.269 0.475 0.466 0.456 0.492 0.563
Exposure	FirstDrawConc	FirstDrawConc	4.000	4.000
Exposure	FirstDrawFraction	FirstDrawFraction	0.500	0.500
Exposure	meat_consump[AGE]	fish[t]	29.551 87.477 95.700 101.570 107.441 111.948 120.961	29.551 87.477 95.700 101.57 107.441 111.948 120.961

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	formula[AGE]	formula[t]	0.340 0.173 0.006 0.000 0.000 0.000 0.000	0.340 0.173 0.006 0.000 0.000 0.000 0.000
Exposure	FountainConc	FountainConc	10.000	10.000
Exposure	FountainFraction	FountainFraction	0.150	0.150
Exposure	meat_consump[AGE]	game[t]	29.551 87.447 95.700 101.570 107.441 111.948 120.961	29.551 87.447 95.700 101.57 107.441 111.948 120.961
Probability Distribution	geo_mean	geo_mean	None	None
Probability Distribution	GSD	GSD	1.600	1.600
Biokinetic	HCT0	HCT0	0.450	0.450

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	home_fruit_consump[AGE]	home_fruit[t]	38.481 69.000 63.166 61.672 61.848 67.907 80.024	38.481 69.000 63.166 61.672 61.848 67.907 80.024
Exposure	home_veg_consump[AGE]	home_veg[t]	56.840 106.500 155.750 157.340 158.930 172.500 199.650	56.840 106.500 155.750 157.340 158.930 172.500 199.650
Exposure	HomeFlushedConc	HomeFlushedConc	1.000	1.000
Exposure	HomeFlushedFraction	HomeFlushedFraction	0.000	0.000
Exposure	HouseFraction	HouseFraction	1.000	1.000
Exposure, Uptake	<i>INAIR[AGE]</i>	<i>EXAIR[t]</i>	E-3, U-4	E-3, U-4
Exposure	InBeverage[AGE]	InBeverage[t]	E-4c, E-5o	None
Exposure	InBread[AGE]	InBread[t]	E-4c, E-5m	None
Exposure	InCandy[AGE]	InCandy[t]	E-4c, E-5p	None
Exposure	InCanFruit[AGE]	InCanFruit[t]	E-4b, E-5d	E-4b, E-5d

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	InCanVeg[AGE]	InCanVeg[t]	E-4b, E-5b	E-4b, E-5b
Exposure	InDairy[AGE]	InDairy[t]	E-4c, E-5j	None
Exposure, Uptake	INDIET[AGE]	INDIET[t]	E-4a,b, U-1a,g U-2	E-4a,b, U-1a, U-2
Exposure	IndoorConc[AGE]	IndoorConc[t]	E-1, E-2	E-1, E-2
Exposure	indoorpercent	indoorpercent	30.000	30.000
Exposure, Uptake	INDUSTA[AGE]	INDUSTA[t]	E-9c, U-1d,j, U-2	E-9b,d, U-1f, U-2
Exposure, Uptake	INDUST[AGE]	INDUST[t]	E-9a,b,,e U-1c,i U-2	E-9a,c, U-1c, U-2
Exposure	infant[AGE]	infant[t]	1.294	1.294
			0.655	0.655
			0.016	0.016
			0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
Exposure	InHomeFish[AGE]	InFish[t]	E-4b, E-5h	E-4b, E-5h
Biokinetic	INFLOW[STEPS]	INFLOW[0]	B-6a,b, B-6.5a,b	B-6a,b, B-6.5a,b
Exposure	InFormula[AGE]	InFormula[t]	E-4c, E-5r	None

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	InFrFruit[AGE]	InFrFruit[t]	E-4b, E-5e	E-4b, E-5e
Exposure	InFrVeg[AGE]	InFrVeg[t]	E-4b, E-5c	E-4b, E-5c
Exposure	InGame[AGE]	InGame[t]	E-4b, E-5i	E-4b, E-5i
Exposure	InHomeFruit[AGE]	InHomeFruit[t]	E-4b, E-5f	E-4b, E-5f
Exposure	InHomeVeg[AGE]	InHomeVeg[t]	E-4b, E-5g	E-4b, E-5g
Exposure	InInfant[AGE]	InInfant[t]	E-4c, E-5s	None
Exposure	InJuice[AGE]	InJuice[t]	E-4c, E-5k	None
Exposure	InMeat[AGE]	InMeat[t]	E-4b, E-5a	E-4b, E-5a
Exposure	InNuts[AGE]	InNuts[t]	E-4c, E-5l	None
Exposure	InOtherDiet[AGE]	InOtherDiet[t]	E-4b,c	E-4b
Exposure	INOTHER[AGE]	INPAINT[t]	0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
Exposure	InPasta[AGE]	InPasta[t]	E-4c, E-5n	None
Exposure	InSauce[AGE]	InSauce[t]	E-4c, E-5q	None

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure, Uptake	INSOIL[AGE]	INSOIL[t]	E-8a,b, U-1e,k, U-2	E-8a, U-1e, U-2
Exposure, Uptake	INWATER[AGE]	INWATER[t]	E-6a,b, U-1b,h, U-2	E-6a,b, U-1b, U-2
Exposure	juices[AGE]	juices[t]	0.049 0.283 0.381 0.381 0.381 0.477 0.667	0.049 0.283 0.381 0.381 0.381 0.477 0.667
Biokinetic	KPLECF[0]	KPLECF[0]	B-g-i	B-6.5
Biokinetic	MCORT[0]	MCORT[0]	B-7e	B-7e
Biokinetic	MCORT[STEPS]	MCORT[t]	B-6b,i, B-6.5b,i, B-7e, B-8d, B-9e,f	B-6.5b,i, B-8d, B-9f
Exposure	meat[AGE]	meat[t]	0.226 0.630 0.811 0.871 0.931 1.008 1.161	0.226 0.630 0.811 0.871 0.931 1.008 1.161
Biokinetic	MKIDNEY[0]	MKIDNEY[0]	B-7f	B-7f

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	MKIDNEY[STEPS]	MKIDNEY[t]	B-6b,f, B-6.5b,f, B-7f, B-8d, B-9c	B-6b,f, B-6.5b,f, B-8d, B-9c
Biokinetic	MLIVER[0]	MLIVER[0]	B-7g	B-7g
Biokinetic	MLIVER[STEPS]	MLIVER[t]	B-6b,e, B-6.5b,e, B-7g, B-8d, B-9b	B-6b,e, B-6.5e, B-8d, B-9b
Biokinetic	MOTHER[0]	MOTHER[0]	B-7h	B-7h
Biokinetic	MOTHER[STEPS]	MOTHER[t]	B-6b,g, B-6.5b,g, B-7h, B-8d, B-9d	B-6b,g, B-6.5b,g, B-8d, B-9d
Biokinetic	MPLASM[0]	MPLASM[0]	B-7d	B-7d
Biokinetic	MPLASM[STEPS]	MPLASM[t]	B-7d, B-9g, B-10a	B-9g, B-10a
Biokinetic	MPLECF[0]	MPLECF[0]	B-7b,d	B-7b,d
Biokinetic	MPLECF[STEPS]	MPLECF[t]	B-6a,c-i, B-6.5a,c-i, B-7b,d, B-8a, B-9a-g	B-6g-I, B-6.5a,c-I, B-8a
Biokinetic	MRBC[0]	MRBC[0]	B-7c	B-7c

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	MRBC[STEPS]	MRBC[t]	B-6b,d, B-6.5b,d, B-7c, B-8d, B-9a, B-10a	B-2.5, B-6b,d, B-6.5b,d, B-8d, B-9a, B-10a
Biokinetic	MTRAB[0]	MTRAB[0]	B-7i	B-7i
Biokinetic	MTRAB[STEPS]	MTRAB[t]	B-6b,h, B-6.5b,h, B-7i, B-8d, B-9e	B-6b,h, B-6.5b,h, B-8d, B-9e
Exposure	multiply_factor	multiply_factor	100.000	100.000
Exposure	nuts[AGE]	nuts[t]	0.00100 0.0110 0.0100 0.0110 0.0110 0.0110 0.0100	0.00100 0.0110 0.0100 0.0110 0.0110 0.0110 0.0100
Exposure	OCCUP[AGE]	OCCUP[t]	E-9c, E-12a	E-9d, E-12a
Exposure	OccupConc	OccupConc	1200.000	1200.000
Exposure	OccupFraction	OccupFraction	0.000	0.000
Exposure	air_concentration[AGE]	out_air_concentration[t]	0.100	0.100
Biokinetic	OUTFLOW[STEPS]	OUTFLOW[t]	B-6a,c, B-6.5a,c	B-6a,c, B-6.5a,c

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Uptake	PAFD	PAF	0.200	0.200
Uptake	PAFF	PAF	0.200	0.200
Uptake	PAFP	PAF	0.200	0.200
Uptake	PAFS	PAF	0.200	0.200
Uptake	PAFW	PAF	0.200	0.200
Exposure	OTHER[AGE]	PAINT[t]	E-9c, E-12e	E-9c, E-12e
Exposure	OtherConc	PaintConc	1200.000	1200.000
Exposure	OtherFraction	PaintFraction	0.000	0.000
Exposure	pasta[AGE]	pasta[t]	0.239	0.239
			0.434	0.434
			0.603	0.603
			0.595	0.595
			0.587	0.587
			0.623	0.623
			0.693	0.693
Biokinetic	PBBLD0	PBBLD0	B-7a,b,c,e-i	B-7a,b,c,e-i
Biokinetic	PBBLDMAT	PBBLDMAT	2.500	2.500
Biokinetic	PBBLOODEND[MONTH]	PBBLOODEND[t]	B-10c	B-10c
Biokinetic	RATBLPL	RATBLPL	100.000	100.000
Biokinetic	RATFECUR	RATFECUR	0.750	0.750

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	RATOUTFEC	RATOUTFEC	0.750	0.750
Biokinetic	RCORT0	RCORT0	78.900	78.900
Biokinetic	RECSUM[0]	RECSUM[0]	None	None
Biokinetic	ResCoef[15]	ResCoef[15]	0.100	0.100
			20.000	20.000
			10.000	10.000
			10.000	10.000
			10.000	10.000
			1.000	1.000
			100.000	100.000
			0.750	0.750
			0.750	0.750
			0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
			0.000	0.000
Biokinetic	RKIDNEY0	RKIDNEY0	10.600	10.600
Biokinetic	RLIVER0	RLIVER0	13.000	13.000
Biokinetic	ROTHER0	ROTHER0	16.000	16.000
Biokinetic	RTRAB0	RTRAB0	51.200	51.200
Uptake	SATUPTAKE[MONTH]	SATINTAKE[t]	U-1g-l, U-3	U-1a-f, U-3

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Uptake	SATINTAKE2	SATINTAKE2	100.000	100.000
Exposure	sauce[AGE]	sauce[t]	0.021	0.021
			0.061	0.061
			0.071	0.071
			0.088	0.088
			0.104	0.104
			0.105	0.105
			0.105	0.105
Exposure	SCHOOL[AGE]	SCHOOL[t]	E-9c, E-12d	E-9c, E-12b
Exposure	SchoolConc	SchoolConc	200.000	200.000
Exposure	SchoolFraction	SchoolFraction	0.000	0.000
Exposure	SECHOME[AGE]	SECHOME[t]	E-9c, E-12d	E-9c, E-12d
Exposure	SecHomeConc	SecHomeConc	200.000	200.000
Exposure	SecHomeFraction	SecHomeFraction	0.000	0.000
Exposure	soil_content[AGE]	soil_content[t]	200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
			200.000	200.000
Exposure	soil_indoor[AGE]	user_soil[t]	E-9b,d, E-11a-d	E-9c, E-11

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Exposure	soil_ingested[AGE]	soil_ingested[t]	0.085 0.135 0.135 0.135 0.100 0.090 0.085	0.085 0.135 0.135 0.135 0.100 0.090 0.085
Biokinetic	STEPS	STEPS	B-10b	B-10c
Biokinetic	SUM1[STEPS]	SUM1[t]	B-8a,b	B-8a,b
Biokinetic	SUM2[STEPS]	SUM2[t]	B-8a,c	B-8a,c
Biokinetic	SUM3[STEPS]	SUM3[t]	B-8a,d	B-8a,d
Biokinetic	TBLBONE[MONTH]	TBLBONE[t]	B-1e,h, B-2i,k	B-1e,h B-2i,k
Biokinetic	TBLFEC[MONTH]	TBLFEC[t]	B-1f,g, B-2e,f	B-1f,g, B-2e,f
Biokinetic	TBLKID[MONTH]	TBLKID[t]	B-1d,g B-2g,h	B-1d, B-2g,h
Biokinetic	TBLLIV[MONTH]	TBLLIV[t]	B-1b, B-2d,e	B-1b, B-2d,e
Biokinetic	TBLOTH[MONTH]	TBLOTH[t]	B-1c, B-2m,n	B-1c, B-2m,n
Biokinetic	TBLOUT[MONTH]	TBLOUT[t]	B-1g, B-2n,o	B-1g, B-2n,o
Biokinetic	TBLUR[MONTH]	TBLUR[t]	B-1a,f, B-2c	B-1a,f, B-2c
Biokinetic	TBONEBL[MONTH]	TBONEBL[t]	B-1h, B-2j,l	B-1h, B-2j,l

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	TCORTPL[MONTH]	TCORTPL[t]	B-2l, B-6b,i, B-6.5b,i, B-8c,d, B-9f	B-2l, B-6b,i, B-6.5b,i, B-8c,d, B-9f
Exposure	time_out[AGE]	time_out[t]	1.000 2.000 3.000 4.000 4.000 4.000 4.000	1.000 2.000 3.000 4.000 4.000 4.000 4.000
Biokinetic	TimeSteps	TimeSteps	1/6	1/6
Biokinetic	TKIDPL[MONTH]	TKIDPL[t]	B-2h, B-6b,f, B-6.5b,f, B-8c,d, B-9c	B-2h, B-6b,f, B-6.5b,f, B-8c,d, B-9c
Biokinetic	TLIVALL	TLIVALL	B-8c,d, B-9b,i	B-8c, B-9i
Biokinetic	TLIVFEC[MONTH]	TLIVFEC[t]	B-2e,f, B-4i, B-6e, B-6.5e	B-2e, B-6e, B-6.5e, B-9i
Biokinetic	TLIVPL[MONTH]	TLIVPL[t]	B-2e, B-6b,e, B-6.5b,e, B-8c,d, B-9i	B-2f, B-6b,e, B-6.5b,e, B-8c,d, B-9i
Exposure	TotAltSource	NA	Internal verification of E-9.5	NA
Biokinetic	TOTHALL[MONTH]	TOTHALL[t]	B-8c,d, B-9d,h	B-8c,d, B-9d,h

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	TOTHOUT[MONTH]	TOTHOUT[t]	B-2o, B-6g, B-6.5g, B-9h	B-2o, B-6g, B-6.5g, B-9h
Biokinetic	TOTHPL[MONTH]	TOTHPL[t]	B-2n, B-6b,g, B-6.5b,g, B-8c,d, B-9h	B-2n, B-6g, B-6.5b,g, B-8c,d, B-9h
Biokinetic	TPLCORT[MONTH]	TPLCORT[t]	B-2k, B-6c,i, B-6.5c,i, B-8b,c, B-9e,f	B-2k, B-6c,i, B-6.5c,i, B-8b,c, B-9f
Biokinetic	TPLKID[MONTH]	TPLKID[t]	B-2g, B-6c,f, B-6.5c,f, B-8b,c, B-9c	B-2g, B-6c,f, B-6.5c,f, B-8b,c, B-9c
Biokinetic	TPLLIV[MONTH]	TPLLIV[t]	B-2d, B-6c,e, B-6.5c,e, B-8b,c, B-9b	B-2d, B-6c,e, B-6.5c,e, B-8b,c, B-9b
Biokinetic	TPLOTH[MONTH]	TPLOTH[t]	B-2m, B-6c,g, B-6.5c,g, B-8b,c, B-9d	B-2m, B-6c,g, B-6.5c,g, B-8b, B-9d
Biokinetic	TPLRBC	TPLRBC[t]	B-2a,b, B-2.5, B-7b,c	B-2a,b, B-2.5, B-7b,c
Biokinetic	TPLRBC2[STEPS]	TPLRBC2[t]	B-2.5, B-5, B-6c,d, B-6.5c,d, B-8b,c, B-9a	B-2.5, B-6d, B-6.5d, B-8b,c, B-9a

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	TPLTRAB[MONTH]	TPLTRAB[t]	B-2i, B-6c,h, B-6.5c,h, B-8b,c, B-9e	B-2i, B-6c,h, B-6.5c,h, B-8b,c, B-9e
Biokinetic	TPLUR[MONTH]	TPLUR[t]	B-2c, B-6c, B-6.5c, B-8b	B-2c, B-6c, B-6.5c, B-8b
Biokinetic	TRBCPL	TRBCPL[t]	B-2b, B-6b,d, B-6.5b,d, B-7b,c B-8c,d, B-9a	B-2b, B-6d, B-6.5b,d, B-8c,d, B-9a
Biokinetic	TRBCPL[0]	TRBCPL[0]	B-7b,c	B-7b,c
Biokinetic	TTRABPL[MONTH]	TTRABPL[t]	B-2j, B-6b,h, B-6.5b,h, B-8c,d, B-9e	B-2j, B-6b,h, B-6.5b,h, B-8c,d, B-9e
Exposure	TWA[AGE]	TWA[t]	E-2, E-3	E-2, E-3
Uptake	UPAIR[MONTH]	UPAIR[t]	U-4, U-5	U-4, U-5
Uptake	UPDIET[MONTH]	UPDIET[t]	U-1a,g U-5	U-1a,g
Uptake	UPDUSTA[MONTH]	UPDUSTA[t]	U-1d,j, U-5	U-1f,g
Uptake	UPDUST[MONTH]	UPDUST[t]	U-1c,i U-5	U-1c,g
Uptake	UPOTHER[MONTH]	UPOTHER[t]	U-1f, U-5	U-1d,g
Uptake	UPSOIL[MONTH]	UPSOIL[t]	U-1e,k, U-5	U-1e,g, U-5

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	UPTAKE[MONTH]	UPTAKE[t]	U-5, B-6a, B-6.5a, B-8a	U-5, B-6a, B-6.5a, B-8a
Uptake	UPWATER[MONTH]	UPWATER[t]	U-1b,h, U-5	U-1b,g, U-5
Exposure	UserFishConc	UserFishConc	0.000	0.000
Exposure	userFishFraction	userFishFraction	0.000	0.000
Exposure	UserFruitConc	UserFruitConc	0.000	0.000
Exposure	userFruitFraction	userFruitFraction	0.000	0.000
Exposure	UserGameConc	UserGameConc	0.000	0.000
Exposure	userGameFraction	userGameFraction	0.000	0.000
Exposure	UserVegConc	UserVegConc	0.000	0.000
Exposure	userVegFraction	userVegFraction	0.000	0.000
Exposure	vent_rate[AGE]	vent_rate[t]	2.000	2.000
			3.000	3.000
			5.000	5.000
			5.000	5.000
			5.000	5.000
			7.000	7.000
			7.000	7.000

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	VOLBLOOD[MONTH]	VOLBLOOD[t]	B-1h, B-2e,f,h,n,o, B-5a,d,e,m, B-10a	B-1h, B-2e,f,h,n,o, B-5a,d,e,m, B-10a
Biokinetic	VOLECF[MONTH]	VOLECF[t]	B-5d, B-9g	B-5d, B-9g
Biokinetic	VOLPLASM[0]	VOLPLASM[0]	B-7b,c	B-7b,c
Biokinetic	VOLPLASM[MONTH]	VOLPLASM[t]	B-5c, B-7b,c, B-9g	B-5c, B-9g
Biokinetic	VOLRBC(0)	VOLRBC(0)	B-7b,c	B-7b,c
Biokinetic	VOLRBC[MONTH]	VOLRBC[t]	B-2.5, B-5b	B-2.5, B-5b
Exposure	water_consumption[AGE]	water_consumption[t]	0.200	0.200
			0.500	0.500
			0.520	0.520
			0.530	0.530
			0.550	0.550
			0.580	0.580
			0.590	0.590
Exposure	weight_soil	weight_soil	45.000	45.000
Biokinetic	WTBLOOD[MONTH]	WTBLOOD[t]	B-5l,m	B-5l,m
Uptake, Biokinetic	WTBODY[MONTH]	WTBODY[t]	U-3, B-1a-e, B-5f,g,l	U-3, B-1a-e, B-5f,g,l
Biokinetic	WTBONE[MONTH]	WTBONE[t]	B-5g,h,i	B-5g,h,i

Data Crosswalk for the IEUBKwin Model

Component(s)	Windows Parameter Name	DOS Parameter Name	Parameter Value(s) in IEUBKwin Source Code OR Equation No.(s)	Parameter Value(s) in IEUBK DOS Source Code OR Equation No.(s)
Biokinetic	WTCORT[0]	WTCORT[0]	B-7e	B-7e
Biokinetic	WTCORT[MONTH]	WTCORT[t]	B-1h, B-5h,l, B-7e	B-1h, B-5h,l
Biokinetic	WTECF[MONTH]	WTECF[t]	B-5e,l	B-5e,l
Biokinetic	WTKIDNEY[0]	WTKIDNEY[0]	B-7f	B-7f
Biokinetic	WTKIDNEY[MONTH]	WTKIDNEY[t]	B-2h, B-5j,l, B-7f	B-2h, B-5j,l
Biokinetic	WTLIVER[0]	WTLIVER[0]	B-7g	B-7g
Biokinetic	WTLIVER[MONTH]	WTLIVER[t]	B-2e,f, B-5k,l, B-7g	B-2e,f, B-5k,l
Biokinetic	WTOTHER[0]	WTOTHER[0]	B-7h	B-7h
Biokinetic	WTOTHER[MONTH]	WTOTHER[t]	B-2n,o, B-5l, B-7h	B-2n,o, B-5l
Biokinetic	WTTRAB[0]	WTTRAB[0]	B-7i	B-7i
Biokinetic	WTTRAB[MONTH]	WTTRAB[t]	B-1h, B-5i,l, B-7i	B-1h, B-5i,l